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ABSTRACT

This booklet contains information on K-12 resources for population education. Each of 91 entries contains standard bibliographic information, prices, International Standard Book Numbers, appropriate grade levels, and a short description of the product. Resource areas include: (1) books on population; (2) books on the environment; (3) books geared towards children; (4) books that provide a different viewpoint; (5) periodicals on population; (6) handbooks, reports and wall charts; (7) film and video; (8) teaching materials available from Zero Population Growth; (9) teaching materials from other sources; (10) mathematical models software; (11) simulation software; and (12) problem solving games software. (LZ)

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SELECTED RESOURCES ON POPULATION

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BOOKS ON POPULATION

All Our People: Population Policy with a Human Face
Klaus M. Leisinger and Karin Schmitt, 1994, Center for Resource Economics/Island Press, 1718 Connecticut Avenue, NW, Suite 300, Washington, DC 20009-1148, 350 pp., $45.00 (h) $24.95 (p) ISBN 1-55963-292-5

All Our People is a response to those who argue that resources spent saving lives in impoverished and overpopulated regions are wasted. The authors set forth components of strategies that can bring down birth rates in an ethically acceptable way. They provide an in-depth, balanced treatment of such factors as human consumption patterns, the ethical issues surrounding population policy, and the role of women in development issues.

Beyond the Limits
Donella H. Meadows, Dennis L. Meadows and Jorgen Randers, 1992, Post Mills, VT: Chelsea Green Publishing Company, 259 pp., $19.95 (h) ISBN 0-930031-55-5

A sequel to the 1972 bestseller *The Limits to Growth*, this book offers a challenge and incentive to choose a path different from the one the world has been pursuing. Armed with 20 years of new data, the book's authors argue that moving toward sustainability will necessitate a sort of revolution, requiring "every human quality and skill, from technical ingenuity, economic entrepreneurism, and political leadership to honesty, compassion and love."

The Population Bomb
Paul R. Ehrlich, 1968, New York: Ballantine Books, 201 pp., out of print; available at libraries, ISBN 345-33834-0

In 1968, the Earth's population was well over 3 billion; few countries acknowledged the need for population stabilization. In this climate, Paul Ehrlich, a biologist and co-founder of ZPG, announced the perils of an impending population explosion. In this landmark book, Ehrlich describes the dangers of unchecked world population growth. He proposes what nations and individuals can do to combat overpopulation and the resulting widespread famines and environmental deterioration. An acknowledged classic in the area of population studies.

The Population Explosion
Paul R. Ehrlich and Anne H. Ehrlich, 1990, New York: Simon & Schuster, 320 pp., $18.95 (h) $9.95 (p) ISBN 0-671-68984-3

In 1968, the population of the Earth was 3.5 billion people; today the population is 5.6 billion. *The Population Explosion*, the sequel to Paul Ehrlich's 1968 landmark best-seller *The Population Bomb*, presents detailed suggestions for life-sustaining changes that are important to all of us and our descendants. It examines the critical choices we face today and proposes an agenda for the 1990s to avoid global ecocide.

Preparing for the Twenty-First Century
Paul Kennedy, 1993, New York: Random House Inc., 429 pp., $25.00 (h) ISBN 0-394-58443-0

This book correlates today's coexisting optimistic and pessimistic perspectives on economic and technological potential in the face of rapid population growth with views from similar points in history. It describes strategies that various nations and regions are proposing to prepare for changes in biotechnology, demography and the world economy. *Preparing for the Twenty-First Century* is an excellent resource to help understand and examine new government proposals.

Beyond the Numbers: A Reader on Population, Consumption, and the Environment
Laurie Ann Mazur (editor), 1994, Center for Resource Economics/ Island Press, 1718 Connecticut Avenue, NW, Suite 300 Washington, DC 20009-1148, 350 pp., $40.00 (h) $19.95 (p) ISBN 1-55963-298-4

This book is a series of essays by leading authorities on issues of population and consumption. The essays both define the poles of debate and explore common ground. While providing a sense of the difficulties involved in dealing with these issues, they also show that constructive action for reduced consumption and population stabilization is possible.

Six Billion & More: Human Population Regulation and Christian Ethics
Susan Power Bratton, 1992, Louisville, KY: Westminister/John Knox Press, 217 pp., $12.95 (p) ISBN 0-664-25186-2

Bratton, a professor of biology at Messiah College in Grantham, PA, places the ethical question of limiting population growth within a broad biblical context, which, in turn, is placed within historical and cultural perspectives. After examining the environmental, social and economic degradation wrought and perpetuated by overpopulation, Bratton argues that voluntary and humane methods of limiting population growth, both by individuals and societies, is part of the human responsibility to cherish and protect God's creation.

The Third Revolution: Environment, Population and a Sustainable World
Paul Harrison, 1992 New York: St. Martin's Press, 359 pp., $27.95 (h) ISBN 1-850-43501-4

This book adeptly outlines issues concerning the relationship between population growth, consumption levels and technological impact; the extent and magnitude of the current environmental crisis; the different dilemmas facing industrialized and developing nations; the factors of successful fertility reduction policies and the shift in priorities we must all embrace. Harrison, who has written extensively about population and the environment, is a recipient of the Global 500 award by the United Nations Environment Programme.

USA By Numbers
Zero Population Growth, 1988, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, 164 pp., $9.95 ($1.50 postage and handling), ISBN 0-945219-00-8

This study looks at population-linked social, economic and environmental indicators in the United States — and reports on trends within states, cities and regions. It covers a wide range of population related issues: from fertility rates to teenage pregnancy, unemployment to child poverty, air and water pollution to land and wildlife, and much more.

World Population & U.S. Policy: The Choices Ahead
Jane Menken, Editor, 1986, The American Assembly, New York: W.W. Norton & Company, 255 pp., $8.95 (p) ISBN 0-393-30399-3

What policies should guide the United States in a world that will double its population in the next 40 years? To slow population growth, should we continue the Reagan administration's promotion of free market economic development, as opposed to family planning? Eight experts from the American Assembly, a center for policy studies at Columbia University, share their views about global population issues and choices. Their articles provide background on immigration demographics, economic development trends and family planning.

BOOKS ON THE ENVIRONMENT

Bibliography of the Earth Summit and Related Environmental Issues
Robert L. Wixom, August 1993 (2nd ed.), Citizens Network for Sustainable Development, 73 Spring Street, Suite 402, New York, NY 10012 $4.00

This second edition has cited 209 (mainly post-1990) books, 47 pamphlets and includes 29 books published in the first 6 months of 1993. This resource provides the Library of Congress call numbers and a subject code to facilitate locating the materials. The books in this bibliography were selected on the criteria of interest to the informed general reader concerned with environmental issues, including population concerns.

Building a Sustainable Society
Lester Brown, 1981, New York: W. W. Norton and Co., 433 pp., $11.95 (p) ISBN 0-393-30027-7

Lester Brown, President of Worldwatch Institute, argues that our escalating food demands, like those of the ancient Mayans, are leading to topsoil losses that are eroding the foundation of civilization itself. Deforestation, overgrazing, and overfishing are shrinking the

economy's resource base, leading to the biological equivalent of deficit financing. Yet, unlike the Mayans, we have the ability to put ourselves back on a sustainable path.

Earth in the Balance: Ecology and the Human Spirit
Albert Gore, 1992, Boston: Houghton Mifflin Co., 407 pp., $22.95 (h) ISBN 0-395-57821-3

Gore brings the perspective of history, economics, religion, philosophy, psychology, and information theory to his discussion of the global environmental crisis. Specifically, he calls for a consensus to make rescuing the environment "the central organizing principle for civilization," and sets out five points of a Global Marshall Plan, the first of which is to stabilize world population through improved literacy, reduced infant mortality, and better distribution of and education about birth control.

Earth Journal: Environmental Almanac and Resource Directory (annual)
Boulder, CO: Buzzworm/Kokopelli Books, $9.95 (p) ISBN 0-9603722-7-X

This almanac includes capsule reviews of environmental, news-making events, factual summary updates on the issues, essays by the forward-thinking philosophers, as well as an array of facts and numbers, and organizations to contact for everything from educational materials to activism opportunities and eco-travel.

For the Common Good
Herman E. Daly and John B. Cobb, Jr., 1994 (second edition), Boston, MA: Beacon Press, 534 pp., $18.95 (p) ISBN 0-8070-4705-8

Economist Herman Daly and theologian John Cobb, Jr., demonstrate how conventional economics and a growth-oriented, industrial economy have led us to the brink of environmental disaster. This edition includes a new afterword on money and finance, a revised, post-Cold War chapter on international security, and an updated Index of Sustainable Economic Welfare.

The Global Citizen
Donella Meadows, 1991, Washington, DC: Island Press, 300 pp., $14.95 (p) ISBN 1-55963-058-2

This highly readable book is a compilation of Donella Meadows' syndicated column of the same title, from 1985 to 1990. Meadows takes a holistic, interconnected approach to the issues she addresses, and employs a diverse array of statistics and reference material to substantiate her points. The novice and lifelong environmentalist alike will benefit from her knowledge and her reasoned, informative, and engaging style.

The Global Possible
Robert Repetto, Editor, 1985 World Resources Institute, New Haven: Yale University Press, 538 pp., $16.95 ISBN 0-300-03505-5

This book is a broad overview of the state of the world's threatened resources. Drawing on evidence from recent experiences in many countries, it proposes realistic and politically practical corrective measures. Written by experts in various areas of environmental research and policy, essays range from how we can improve energy efficiency in transportation, housing, industry and agriculture to evaluations of mechanisms that would control atmospheric pollution on an international level.

Healing the Planet
Paul R. Ehrlich and Anne H. Ehrlich, 1991, Reading, MA: Addison-Wesley Publishing Co., 366 pp., $22.95 (h) ISBN 0-201-55046-6

Healing the Planet, written as a companion piece to *The Population Explosion*, addresses those environmental problems which are regarded as the most pressing: overconsumption, family technologies, energy, global warming, the ozone layer, land and water use, pollution and agriculture.. The Ehrlichs point out that the environmental movement has been focusing wrongly on the symptoms of environmental collapse rather than the underlying cause: deterioration of the planet's life-support systems, due to unsustainable use of its resources.

Information Please Environmental Almanac (annual)
World Resources Institute, Boston, MA: Houghton Mifflin Co., $9.95 (p) ISBN 0-395-67742-4

The editors of the Environmental Almanac successfully compile the latest information about our planet's health and arrange it in an easily accessible format. With hundreds of straightforward explanatory charts and graphs which complement a well written text, this almanac is especially useful for students.

Our Common Future
World Commission on Environment and Development, 1987, Oxford University Press, U.S., 200 Madison Avenue, New York, NY 10016, 400 pp., $12.95 ISBN 0-19-282080-X

Established by the United Nations in 1983, WCED's agenda was to re-examine the critical environment and development problems on the planet and to formulate realistic proposals to solve them. The result of a three-year effort by this independent body, this report shows that through policies of cooperation and the application of the best of current technologies, environmental damage can be controlled while societies around the world assure their peoples higher standards of living.

The Worldwatch Environmental Alert Series
Worldwatch Institute, New York: W.W. Norton & Company, $19.95 (h) $8.95 (p) ISBN 0-393-30823-5

The Worldwatch Institute began this new book series "to help make the nineties the turn-around decade in the battle to save the planet." *Saving The Planet: How To Shape An Environmentally Sustainable Global Economy* is the first installment in this latest Worldwatch series and deals with solutions in the form of policy changes for our future global economy. More recent titles include *How Much Is Enough?* and *Last Oasis*.

State of The World (annual)
Lester R. Brown, Editor, Worldwatch Institute, New York: W.W. Norton & Company, $19.95 (h) $10.95 (p) ISBN 0-393-30440-X

Since its first appearance in 1984, the *State of the World* series has been an invaluable resource in monitoring worldwide environmental health. This guide to sustainable development provides an on-going assessment of environmental trends and in doing so offers the global community a sense of both failure and progress. To date, *State of the World* has been incorporated in more than 1,000 U.S. college and university courses and has been translated into 27 different languages.

Sustainable Development: A Guide to "Our Common Future"
The Global Tomorrow Coalition, 1990, 1325 G Street, NW, Suite 915, Washington, DC 20005-3104, $7.00

As a brief synopsis and primer on sustainable development, the guide was designed to introduce the work of the World Commission on Environment and Development, illuminate its major findings, describe some of the worldwide reaction to the report, and invite participation in the growing dialogue on the role and responsibility of the United States in attaining global sustainable development.

Vital Signs: The Trends That Are Shaping Our Future (annual)
Lester Brown, et al., Worldwatch Institute, New York: W.W. Norton & Company, $10.95 (p) ISBN 0-393-31024-8

The *Vital Signs* series premiered in 1992 when Worldwatch Institute saw a need for a resource which provides a history of the indicators which best track the health of our planet and civilization. This series analyzes an array of indicators — from water and food resources to infant mortality — with clear text and easy-to-read graphs. It is an invaluable guide for policymakers and concerned citizens alike and is an excellent companion resource to Worldwatch Institute's annual *State of the World* report.

World Resources (biennial)
International Institute for Environmental Development (IIED), World Resources Institute (WRI), New York: Basic Books, Inc. $23.95 ISBN 0-465-09239-X

The *World Resources* annual reports provide objective, current global assessments of the natural resource base supporting the global economy. They are designed to complement the established annual reports surveying the economic and political landscape. Issues examined range from population/health, human settlements, and food/agriculture to wildlife/habitat, atmosphere/climate and global systems and cycles.

ESPECIALLY FOR KIDS

50 Simple Things Kids Can Do to Save the Earth
John Javna, The EarthWorks Group, 1990, Kansas City, MO: Andrews and McMeal, 156 pp., $6.95 (p) ISBN 0-8362-2301-2

This book is full of experiments, facts and things kids can do to keep the planet healthy. The activities give them a chance to show how they can make a difference. Once they have discovered all this book has to offer, they may even be able to teach their parents some interesting facts about our Earth.

Our Endangered Planet: Population Growth
Suzanne Winckler and Mary M. Rodgers, 1991, Minneapolis, MN: Lerner Publications Co., 64 pp., $15.95 (h) ISBN 0-8225-2502-X

With plenty of color photographs, a glossary, and a list of organizations to contact, *Our Endangered Planet: Population Growth* is an excellent way to introduce population material to children. This comprehensive text, aimed at grades 5-8, covers the contributing causes of overpopulation. The authors focus on education, working together, and cultural sensitivity as possible solutions to this complex issue.

Overpopulation
Rebecca Stefoff, 1993, Broomal, PA: Chelsea House Publishers., 112 pp., $19.95 (h) ISBN 0-7910-1581-5

Part of the Earth at Risk series, *Overpopulation* gives an accurate and comprehensive understanding of the social and environmental impacts and causes of population growth. The author's inclusion of adequate preliminary information and simple vocabulary enables even middle school students to grasp the concepts.

The Peopling of Planet Earth
Roy A. Galant, 1990, London: Macmillan Publishing Co., 164 pp., $15.95 (h) ISBN 0-02-735772-4

Noted science writer Roy A. Gallant tells the story of human population distribution and growth from the origins of Homo sapiens to the present, and into the twenty-first century. In examining population trends through the ages, the author incorporates many subject areas beginning with a brief discussion of anthropology. The holistic approach taken by the author make this book an excellent resource appropriate for grades 7-12.

A DIFFERENT VIEWPOINT

The Birth-Dearth: What Happens When People in Free Countries Don't Have Enough Babies?
Ben Wattenberg, 1987, New York: Pharos Books, 192 pp., out of print; available at libraries, ISBN 0-345-34399-9

Wattenberg purports that the continuation of low fertility levels in 22 nations which he deems modern and industrial could doom Western civilization. He reviews specific economic, geopolitical and personal problems resulting from the "birth dearth" and prescribes governmental intervention to boost birth rates.

The Fear of Population Decline
Michael S. Teitelbaum and Jay M. Winter, 1985, Orlando: Academic Press, Inc., 201 pp., $44.00 ISBN 0-12-685191-3

Teitelbaum and Winter take a rational approach to declining fertility rates in Western nations. The authors discuss the concept of "birth dearth" in a broad historical perspective, noting past trends and anxieties and commenting on likely demographic trends for the near future. Also included in the analysis are the policy and political implications in the industrial West of aging populations, immigration and lower birth rates.

Reproductive Rights and Wrongs: The Global Politics of Population Control and Contraceptive Choice
Betsy Hartmann, 1987, New York: Harper & Row Publishers, 368 pp., out of print; available at libraries, ISBN 0-06-096171-6

With a decidedly feminist approach, Hartmann raises many crucial questions concerning population and development. Although Hartmann and various population organizations share numerous concerns such as a woman's reproductive choice, the right to a proper education and availability/ choice of contraceptive methods, she condemns the current work of the population movement for past cases of coercion and future coercion possibilities.

The Ultimate Resource
Julian Simon, 1994 (2nd ed.), Princeton, NJ: Princeton University Press, 415 pp., $29.95 (h) $19.95 (p), ISBN 0-691-00369-6

Simon looks to the future with the belief that the ultimate resource is the human imagination. He maintains that energy, food, and materials are not finite in any meaningful way and that using resources now will not slow the rate of future economic progress. This non-technical and expanded version of his book, *The Economics of Population Growth*, suggests that additional population leads to improvements in economic well-being.

PERIODICALS ON POPULATION

American Demographics
American Demographics, P.O. Box 6543, Syracuse, NY 13217, $48/year, $6/issue

This monthly magazine features articles about current trends, facts, forecasts, profiles and other facets of U.S. demographics.

Family Planning Perspectives
The Alan Guttmacher Institute, 111 Fifth Avenue, New York, NY 10003, $10/issue

This bimonthly magazine discusses current family planning issues, featuring reports on reproductive rights laws, the most recent breakthroughs in birth control methods, and up-to-date statistics on family planning in the United States.

People and the Planet
International Planned Parenthood Federation, The World Conservation Union, and United Nations Population Fund, c/o Planet 21, Distribution Unit, 60 Twisden Road, London NW5 1DN, UK, $20.00/year

This quarterly, international development magazine reports on efforts to balance population and resources, promote planned parenthood and improve the human condition.

Population Bulletin
Population Reference Bureau, 1875 Connecticut Avenue, NW, Suite 520, Washington, DC 20009-5728, $7.00/year

These quarterly booklets are written by experts on worldwide and national demographic trends. Topics featured include: *Population: A Lively Introduction, Understanding Population Projections*, and *World Population in Transition*.

Population Today
Population Reference Bureau, 1875 Connecticut Avenue, NW, Suite 520, Washington, DC 20009-5728, $40.00/year (individual membership), $2.00/single

This 12-page newsmonthly covers population trends and events in the United States and worldwide.

Populi
United Nations Fund for Population Activities, 220 East 42nd Street, New York, NY 10017, $14.00/year, $4.00 single

This quarterly publication features selected articles from various international writers promoting awareness of current social, economic and environmental challenges and of national and international population problems.

Teachers' PET Term Paper
Zero Population Growth, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $3.00/year

ZPG's Population Education Program produces this quarterly newsletter for educators

involved in population education efforts. Each issue includes information on population education training opportunities, activities for elementary and secondary classes, reviews of audio-visual materials, textbooks and curricula, in addition to a readers' exchange forum.

World Watch
World Watch, P.O. Box 6991, Syracuse, NY 13217-9942, $20.00/year

This bimonthly magazine from the Worldwatch Institute features articles of national and global concern on issues such as climate change, soil erosion, energy efficiency, ozone depletion, water scarcity, new recycling technologies and population trends.

The Worldwatch Paper Series
Worldwatch Institute, 1776 Massachusetts Avenue NW, Washington, D.C. 20036, $25.00/year

The Worldwatch Institute (an independent, nonprofit research organization) produces these Issues Papers to analyze and to focus attention on global problems. There have been over 80 Worldwatch papers including recent ones such as: *Planning the Global Family, Defusing the Toxic Threat*, and *On the Brink of Extinction*.

ZPG Reporter
Zero Population Growth, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $7.50/year or free with membership ($20/year)

ZPG's national bimonthly newspaper reports on global population issues, the impacts of growth on local communities, national population legislation and more. This ZPG publication was the recipient of the 1992 Award of Achievement from the National Resources Council of America.

HANDBOOKS, REPORTS* AND WALL CHARTS

The Children's Stress Index
Zero Population Growth, 1993, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $7.50 plus $1.50 shipping and handling

This ZPG report is the first national survey of children's well-being based on population-related pressures. The Index ranks a total of 828 cities, counties, and metropolitan areas using an extensive list of social, economic and environmental factors that affect the lives of children.

Country Rankings of the Status of Women: Poor, Powerless and Pregnant
Population Action International, 1988, 1120 Nineteenth Street, NW, Suite 550, Washington, DC 20036, $5.00/single, $3.00/two or more copies

This thorough overview of the status of women worldwide covers health, marriage and children, education, employment and social equity. Includes accompanying color wall chart.

Environmental Stress Index
Zero Population Growth, 1991, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $3.00 plus $0.75 shipping and handling

ZPG's study compares 204 U.S. cities on five population-linked environmental indicators—air quality, water quality and availability, sewage, toxic releases and population change. A report on sustainable cities is included.

500 Years in the Americas: An Environmental Review
Zero Population Growth, 1992, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, available while supplies last

This ZPG wall chart illustrates 500 years of environmental and demographic changes in the Americas since Columbus' arrival. Today, examples of growing threats to our planet's environmental health exist throughout the Americas from the overconsumption of resources in the North to the destruction of tropical rainforests in the South. A few hands-on activities for the secondary classroom are included.

Guide to Congress (biennial)
Zero Population Growth, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, single copy free

This guide looks at how each House and Senate member voted on key legislation which ZPG and its members asked legislators to support, oppose or co-sponsor. It also lists the "performance" ratings given to members of Congress by other national organizations.

Human Numbers and Human Needs
Paul Harrison and John Roley, 1984, International Planned Parenthood Federation, 18-20 Lower Regent Street, London SW1 4PW, England, 64 pp., $5.00,

This handbook originated from the work of IPPF's *People* magazine which reports on national and international efforts to promote planned parenthood and improvements in the status of women, education, health and living conditions. It also looks at how population growth, along with mounting consumption, have affected the planet's resources and examines efforts to bring about a sustainable balance.

The International Human Suffering Index
Population Action International, 1987, 1120 Nineteenth Street, NW, Suite 550, Washington, DC 20036, $5.00; 2 or more copies, $3.00 each

This index was created to measure differences in living conditions between countries. The colorful chart also allows a side-by-side comparison of rates of population increase and human suffering.

Life Expectancy at Birth Population Growth Rate
World Bank Publications, 1987, Department 0552, Washington, DC 20073-0552, $6.00

Each kit contains a colorful map of the world (24" x 36") with data on 148 countries, easy-to-read text, 3 charts illustrating key concepts, 6 photographs that depict the people behind the statistics, and a comprehensive teaching guide with a full range of classroom activities.

Making a Difference
Zero Population Growth, 1989, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $1.25

The goal of achieving a balance of resources, population and the environment is a major challenge. This guide provides 150 ways an individual at any age can make a difference.

Planning the Ideal Family: The Small Family Option
Zero Population Growth, 1990, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $5.00 plus $1.50 postage and handling

This report provides a comprehensive overview of the economic, environmental, and social advantages of keeping families small. An impressive array of facts and figures helps to illustrate the report's findings. The publication also includes a fascinating summary of the trends in U.S. family size, from past to present.

Population Handbook
Population Reference Bureau, 1985, 1875 Connecticut Avenue, NW, Suite 520, Washington, DC 20009-5728, $5.00 (bulk rates available)

For a glossary guide to fertility, mortality, population change and other demographic basics, PRB's *Population Handbook* is an excellent reference. It is available in three specially adapted editions: English, Spanish and French.

The Report Card Series: Reports on Progress Towards World Population Stabilization (annual)
Population Action International, 1120 Nineteenth Street, NW, Suite 550, Washington, DC 20036, $5.00; 2 or more copies, $3.00 each

Population Action International publishes this series of full color wall charts and briefing papers on topics which contribute to the issue of population. The topics of recent publications include *Access to Affordable Contraception, World Access to Birth Control* and *Closing the Gender Gap: Educating Girls*.

The State of World Population (annual)
Dr. Nafis Sadik, Executive Director, United Nations Population Fund, 220 East 42nd Street, New York, NY 10017, free

Since 1978, the UNFPA annually issues this document highlighting new developments in population. Recent reports have dealt with such topics as urbanization, a world of five billion, population, resources and the environment; women, population and development; and international migration.

Urban Stress Test
Zero Population Growth, 1988, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $2.50 plus $0.75 shipping and handling

This unique ZPG study compares 192 U.S. cities by 11 population-linked environmental, economic and social stresses—from diminishing air and water quality to accelerating crime rates. A colorful pull-out wall chart is included.

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World Population Data Sheet (annual)
World Environment Data Sheet
United States Population Data Sheet
U.S. Metro Data Sheet

Population Reference Bureau, 1875 Connecticut Avenue, NW, Suite 520, Washington, DC 20009-5728, $3.00/single (bulk rates available)

These handy, readable wallcharts (18 1/2" x 24") provide a variety of the latest population-related statistics and include a glossary of demographic terms. *World Population Data Sheet* published each Spring; *U.S. Population Data Sheet* published each Fall.

ZPG Backgrounders and Factsheets
Zero Population Growth, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, Backgrounders: first 4 copies free, Fact Sheets: first 10 free

Zero Population Growth provides a variety of backgrounders and fact sheets which provide an overview of the various environmental, social and economic ramifications of continued population growth. The topics range from loss of biodiversity to overconsumption to traffic in our cities.

*Contact Zero Population Growth for a complete list of currently available backgrounders, fact sheets and reports.

FILM AND VIDEO

(Unless otherwise noted, all videos and films listed below are available for rent from the Population Reference Bureau, 1875 Connecticut Avenue, NW, Suite 520, Washington, DC, 20009-5728. $20/five working days, includes postage and handling.)

Decade of Decision
1992, 13 minutes, VHS, Population Action International, 1120 Nineteenth Street, NW, Suite 550, Washington, DC 20036, $15

A concise introduction to the all-encompassing issue of today's world population. Hosted by Walter Cronkite, the video discusses the high fertility and poverty of the developing world as well as the impact of the industrialized nations' wasteful consumption. The fact that population pressures multiply environmental problems is brought to light through this powerful visual display.

How to Make a Difference: Population
1993, 30 minutes, VHS, Audubon Society Productions, National Audubon Society, 666 Pennsylvania Avenue, SE, Washington, DC 20003, $9.95 plus $3.00 shipping and handling

This video shows the impact population has on the environment by addressing how growth and consumption fit in the cycle of poverty and environmental degradation. Family planning, women's health, education and overconsumption are addressed through a mixture of hard-to-forget images and statistics. A discussion of the actions a viewer can take to help "make a difference" with population growth is one of the many strong points of this video.

Investing in Natural Capital
1993, 42 minutes, VHS, Griesinger Films, 7300 Old Mills Road, Gates, OH 44040, $29.95

Appropriate for college and population-aware audiences, this video uses the ZPG "World Population" video interspersed with footage from the 1992 Conference of the International Society for Ecological Economics and features a strong dose of technical discussion by economists and environmentalists (Herman Daly and Paul Ehrlich being two notable speakers).

The Lorax
1972, 25 minutes, 16 mm and VHS, Available at video stores, Waldenbooks and PRB.

This film version of Dr. Seuss' enlightening children's book is the story of a beautiful woodland's destruction as economic demands lead to excessive use of its natural resources and rapid population growth adds to the environmental stress. This story can be used to introduce young children to a variety of concepts related to population growth in a most entertaining way.

The People Bomb
1992, approx. 90 mins., VHS, Social Studies School Service, 10200 Jefferson Boulevard., Room Y01, P.O. Box 802, Culver City, CA 90232-0802, tel: 1-(800) 421-4246, $19.98

The CNN Special Reports documentary team provides an informed look at the population struggle of 13 different nations. The circumstances are unique within each nation but, the threat of overpopulation is felt worldwide. The video begins with a look at the United States and its ever-increasing resource consumption and ends with the success of the Indian state of Kerela. The CNN team provides "a powerful look at the personal, national, and global efforts to diffuse an explosive crisis before it's too late."

A Popular Little Planet
1992, 27 minutes, VHS, Shown on PBS as a 3-2-1 Contact Extra, Wings for Learning, 1600 Green Hills Road, P.O. Box 660002, Scotts Valley, CA 95067-0002, $25 plus shipping and handling

Targeted for the younger audience, this video does an exceptional job of explaining the concepts of exponential growth, as well as facilitating the visualization of large numbers, which is essential for understanding the seriousness of population pressures. The video's two young hosts discuss the issues of limited resources, overconsumption, migration and urban clustering. After an engaging half hour, *A Popular Little Planet* leaves the viewer with the understanding that "You're not one in a million, you're one in five billion" and your actions do count.

Population Change and Economic Development
1987, 25 minutes, 3/4" U-matic and 1/2" VHS, World Bank

Based on a World Bank report, this film clarifies the connection between shifting populations and economic development. A graphic display of the historical and projected population growth of several developing nations is followed by an explanation of these countries rapid growth and their ensuing problems. It also discusses official population policies and their place in the extremely personal realm of family planning.

Sex, Lives and Holes in the Skies
1992, 47 minutes, VHS, Audubon Society Productions, National Audubon Society, 666 Pennsylvania Avenue, SE, Washington, DC 20003, $40

Narrated by Andie McDowell, this production of the World of Audubon Series contrasts the lifestyles of two families — one in Manhattan and one in Madagascar. As the daily lives of both families are explored, a groundwork is laid for the viewer to begin to understand the nature of global environmental problems. By spending time with these families, one understands how personal choices about family size, resource use, consumption, and survival affect the world in which we all live.

What Is the Limit?
1987, 23 minutes, VHS, National Audubon Society, 666 Pennsylvania Avenue, SE, Washington, DC 20003, $25

This video provides insight into the interrelationships between population, environment and development issues. This in-depth look at the issue of population concludes with a discussion of the political and ethical concerns.

World Population
1990, 6 minutes, VHS, Zero Population Growth, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036, $29.95 plus $3.00 postage and handling

This revised version of the 1972 classic remains one of the most well-received population films to date. This video provides a graphic presentation of world population growth and distribution from 1 A.D. to the year 2020, using dots to represent millions of people. Historical events are displayed throughout the video to maintain an accurate perspective of time.

Note: For a more extended film/video list, please contact The Population Reference

RESOURCES

ESPECIALLY FOR TEACHERS

ZPG TEACHING TOOLS*

Computer Software for Population Education
1991, $1.95

Computers are valuable tools for teaching about population dynamics and their impacts. This review of nearly 40 software programs for all grade levels includes mathematical models, simulations, databases and problem-solving games.

Earth Matters: Studies for Our Global Future
1992, Grades 9-12. $19.95 plus $1.50 postage and handling

This interdisciplinary teaching resource explores some of the most pressing environmental, social, and economic issues of our time. Through 32 innovative activities and 12 readings, high school students can begin to understand the complexities of overpopulation, global climate change, air and water pollution, energy consumption, waste disposal, wildlife endangerment, deforestation, poverty and hunger, the status of women, and how all of these issues are interrelated. *Earth Matters* also examines the underlying clashes between economic growth and environmental health.

EdVentures in Population Education
1984, Grades 4-12. $19.95 plus $1.50 postage and handling

This kit contains 16 hands-on classroom activities designed to be enjoyable and easy to use. Simulations, games, decision-making challenges and other group activities make abstract concepts concrete and understandable.

Elementary Population Activities Kit
1980, Grades K-6. $19.95 plus $1.50 postage and handling

This elementary-level teaching resource offers a wide variety of hands-on classroom activities for young children. Population and environmental concepts are presented in fun, interesting ways so that even the very young can understand them. Along with 19 different activities covering approximately 25 population concepts, the kit includes data sheets, a Ranger Rick reprint, and a cassette tape. An updated version will be available in fall 1994.

For Earth's Sake: Lessons in Population and the Environment
1989, Grades 6-10. $24.95 plus $3.00 postage and handling

This teaching kit covers issues as immediate as traffic congestion and garbage disposal and as far-reaching as global warming and inequitable resource distribution. The 17 hands-on activity modules develop critical thinking and problem-solving skills appropriate for science, math and social studies classes. The kit also includes a teacher's guide, student reading material, a population data sheet, an annotated bibliography and a list of things individuals can do in their homes, schools and communities to work toward a more sustainable balance of population, resources and the environment.

Kenya: A Country in Transition
1986, Grades 9-12. $9.95 plus $1.50 postage and handling

Kenya, the world's fastest growing country, is expected to double its population of 28 million in just 19 years. With this teaching unit, students can study demographic transition, the effects of modernization, ecological and social transition, signs of progress and projections for the country's future. The teaching unit comes with 11 eight-page illustrated student hand-outs, a teacher's guide with discussion questions and follow-up activities, a glossary and a resource list.

Multiplying People, Dividing Resources
1994, Grades 5-10. $9.95 plus $1.50 postage and handling

This kit provides math teachers with 19 activities that bring mathematics into the real world and vice versa. It focuses on integrating the vocabularies of mathematics and demography so students may confidently discuss the implications of population growth and overconsumption. The kit includes the *World Population Data Sheet* and a review of computer software for population education.

Spanish Language Activity Packet
1991, Grades K-12. free

To meet the needs of classrooms in Latin America and bilingual classes in the United States, ZPG has had six of its most popular teaching activities translated into Spanish. The motivational activities include simulations, games, problem-solving challenges, a quiz, and riddles. The packet contains scripts for the six activities in both Spanish and English.

Teaching Population: Which Textbook To Choose?
1991, Grades 6-12. free

To aid secondary science instructors and supervisors in selecting texts that provide adequate coverage of population dynamics and impacts, ZPG's Population Education Program has surveyed 44 current editions of life science, biology, advanced placement biology and environmental science textbooks. The survey includes matrices designed to provide objective information on each text's inclusion of specific topics related to population and human ecology.

USA by Numbers Teaching Kit
1988, Grades 9-12 and college. $19.95 plus $1.50 postage and handling

This kit is based on ZPG's 1988 reference book, *USA by Numbers*, a unique compilation of current and historic data on demographic, socioeconomic and environmental trends in the United States. A copy of this book is included in each kit along with 14 classroom activity modules, designed to develop students' skills in critical thinking, deductive reasoning, chart reading, data interpretation, graphing and communication. Many of the activities lend themselves to cross-disciplinary teaching, and most are appropriate for use in a cooperative learning environment.

Who's Covering Population in Social Studies?
1993, Grades 6-12. free

Thirty social studies textbooks from all major publishers are evaluated in this survey. Matrices are provided for global studies, geography and world history texts so that educators can see how each text ranks on its coverage of demographics and related issues.

*All ZPG teaching materials are available from ZPG's Population Education Program, 1400 Sixteenth Street, NW, Suite 320, Washington, DC 20036. The *ZPG Catalog of Population Education Materials* is free and provides complete descriptions of all available educational tools.

OTHER TEACHING MATERIALS

Connections: Linking Population and the Environment
1991, Grades 6-12, Population Reference Bureau Circulation Dept., P.O. Box 96152, Washington, DC 20009-6152, $13.00 plus $1.00 shipping and handling

The *Connections* kit includes a Student Resource Guide which contains articles on population and the environment written by journalists in developing countries and by the PRB staff; a Teacher's Guide with a set of 27 lessons to complement the Student Resource Guide; a World Environment Data Sheet; and

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a World Population Data Sheet. This complete kit is an excellent teaching resource for it provides an understanding of the population issue for a developing world perspective.

The Development Data Book
1993 (updated from 1988), World Bank Publications, 1818 H Street, NW, Washington, DC 20433, $9.95; $6.95 teacher's guide

This kit presents full-color charts, maps, tables, and a descriptive text to help secondary students understand important concepts such as: life expectancy, adult literacy rate, population growth rate, GNP per capita, and merchandise exports. It provides ready reference to current data on measures of social and economic conditions in various countries of the world. The Teaching Guide includes a complete program of activities for students of varying aptitudes. A teaching guide is available both in English and in Spanish.

Making Connections: Linking Population and the Environment
1992, Grades 4-6, Population Reference Bureau Circulation Dept., P.O. Box 96152, Washington, DC 20009-6152, $15.00 plus $1.00 shipping and handling.

This elementary kit fills students in on the causes, effects, and the human element involved in population and environmental issues through stories, cooperative learning activities, and elementary research. This is an excellent source for personalizing both the issues that face people from less developed countries and those that face us in the United States.

Teenage Parents: A Global Perspective
1989, Grades 6-12, Population Reference Bureau Circulation Dept., P.O. Box 96152, Washington, DC 20009-6152, 16pp., $7.00 plus $1.00 shipping and handling.

In this kit, a 16-page booklet explains what families and societies worldwide expect of their teenagers — and how teen parents fit into those expectations. The health, social, psychological, economic and demographic implications of teenage childbearing and subsequent parenting are examined. Case studies, charts, graphs, and photos are included in the text, as well as a glossary, pre-reading questions, worksheets and a resource list.

World Population: Facts in Focus
1992, Grades 6-12 and college, Population Reference Bureau Circulation Dept., P.O. Box 96152, Washington, DC 20009-6152, 15 pp., $4.00 plus $1.00 shipping and handling.

This resource consists of the World Population Data Sheet workbook with the data sheet in a 8 1/2 x 11" format which is ideal for classroom use.

World Population: Fundamentals of Growth
1990 (second edition), Grades 6-12 and college, Population Reference Bureau Circulation Dept., P.O. Box 96152, Washington, DC 20090-6152, 32 pp., $5.00 plus $1.00 shipping and handling

Eight full-page charts accompany textual discussions of historical growth as well as topics related to the issue of population. The 1990 World Population Data Sheet is provided.

SOFTWARE*

Mathematical Models

Demo-Graphics
CONDUIT, University of Iowa, Oakdale Campus, Iowa City, Iowa 52242, tel.: 1-800-365-9774, $95 for Apple (single disk)

Students can examine population change in any of 144 countries in the database provided, input their own data to update the database, or add new countries. They can use actual recent demographic data (preprogrammed) or state their own specifications for total fertility rate, age-specific fertility rates, age-specific mortality rates, total population, life expectancy, infant and child mortality rates, or age structure. Students can then see the country's population pyramids projected for five-year intervals for a 50-year period. For comparison, two countries' pyramids can be displayed on the same graph or the data may be displayed in line graphs.

Population Concepts
Educational Materials and Equipment, 4 Old Mill Plain Road, P.O. Box 2805, Danbury, CT 06183-2805, tel.: 203-798-2050, includes 2 disks, study guide, 6 student workbooks, $47 for Apple II; $52 for IBM

This secondary biology program consists of two parts: an introduction and an experimental mode. The introduction defines basic population concepts and illustrates them with lively graphics. The experimental mode offers 3 models, illustrating exponential population growth and the effect of limitations such as carrying capacity and low breeding density. This program offers a good introduction to population concepts and may be especially beneficial to those students who are not mathematically inclined.

What If?
Pikes Peak Software, 2749 Villa Loma Drive, Colorado Springs, CO 80917, tel.: 719-591-1781, 2 disks, instructions, worksheets, answer sheets, $54.95 for Apple C or IIe with an 80 column cord

What If? includes three programs for high school or college students addressing population ecology, immunity, and U.S. population growth. The U.S. Population Growth program illustrates statistics for 1760 to 1980 by showing a new dot on the U.S. map (and sounding a beep) each time 200,000 people are added. This graphically demonstrates the increasing speed of population growth, the relative density of different areas, and the westward movement of the population's geographic center over time. Another simulation allows students to set the growth rate and observe projected future population growth as more dots appear on the map.

Simulations

POPGRO
Diversified Educational Enterprises, Inc., 725 Main Street, Lafayette, Indiana 47901, tel.: 317-742-2690, 1 disk and student guide, $49.95 for Apple or IBM

Recommended for introductory biology and ecology classes, POPGRO is a effective tool for demonstrating three classic models of population growth: an unlimited growth model; a limited growth model; and a limited growth with time lag model. The manual lists chapters in several biology textbooks which can be used concurrently with POPGRO.

Problem Solving Games

Decisions, Decisions
Tom Snyder Productions, 90 Sherman Street, Cambridge, MA 02140, tel.: 1-800-342-0236; in MA, 617-876-4433, *Immigration, Urbanization* and *The Environment* cost $149.95 each

Each contains 2 disks, instructions, lesson plans, reproducible student worksheets, 25 student reference workbooks; Apple, Mac, IBM

Each *Decisions, Decisions* program presents a "You are There" situation requiring students to examine options, make a series of decisions, and experience the consequences of their choices. Along the way, "advisors" express various points of view and refer to historical situations and current policies that may shed light on their dilemmas. *Immigration: Maintaining an Open Door* places the students in the role of a U.S. president faced with responding to a large influx of uninvited refugees shortly before the electoral primaries. *Urbanization: The Growth of Cities* puts students in the role of a small-town mayor confronting the prospect of sudden rapid growth when a valuable resource is discovered in the area. *The Environment: The Science and Politics of Protecting Our Planet* begins with the discovery that the town's pond is polluted and has students evaluate often conflicting data, facts and opinions to decide social policy.

*For a more comprehensive list of software reviews, see the ZPG review, *Computer Software for Population Education* available from ZPG, 1400 Sixteenth St., NW, Suite 320, Washington, DC 20036 for $1.95.

— Prepared by Luz Huntington